

# Pierre Berini

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

238  
papers

7,724  
citations

40  
h-index

82  
g-index

309  
ext. papers

9,179  
ext. citations

4.6  
avg, IF

6.79  
L-index

#	Paper	IF	Citations
238	Directional coupling with parity-time symmetric Bragg gratings.. <i>Optics Express</i> , <b>2022</b> , 30, 5167-5176	3.3	0
237	Structural and oxide-based colours on laser textured copper. <i>Applied Surface Science</i> , <b>2022</b> , 583, 152440	6.7	0
236	High-resolution surface acoustic wave (SAW) strain sensor based on acoustic Fabry-Pérot resonance. <i>Sensors and Actuators A: Physical</i> , <b>2022</b> , 338, 113504	3.9	1
235	Infrared surface plasmons on a Au waveguide electrode open new redox channels associated with the transfer of energetic carriers.. <i>Science Advances</i> , <b>2022</b> , 8, eabm9303	14.3	1
234	Fabrication of high frequency SAW devices using tri-layer lift-off photolithography. <i>Microelectronic Engineering</i> , <b>2021</b> , 253, 111671	2.5	1
233	Tri-layer contact photolithography process for high-resolution lift-off. <i>Microelectronic Engineering</i> , <b>2021</b> , 241, 111545	2.5	3
232	Reconfigurable carbon quantum emitters from CO <sub>2</sub> gas reduced via surface plasmons. <i>Optica</i> , <b>2021</b> , 8, 708	8.6	1
231	Ultrasensitive nanoplasmonic biosensor based on interferometric excitation of multipolar plasmonic modes. <i>Optics Express</i> , <b>2021</b> , 29, 17365-17374	3.3	1
230	Helium ion beam lithography and liftoff. <i>Nano Futures</i> , <b>2021</b> , 5, 025003	3.6	0
229	Strong and Short Bragg Waveguide Gratings With Trapezoidal-Shaped Grooves. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 39, 4395-4401	4	1
228	Hot embossing of microfluidics in cyclic-olefin co-polymer using a wafer aligner-bonder. <i>Microsystem Technologies</i> , <b>2021</b> , 27, 3899-3906	1.7	1
227	Tunable Plasmonic Metasurfaces for Optical Phased Arrays. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2021</b> , 27, 1-16	3.8	17
226	Fabrication of a high-speed plasmonic reflection/transmission modulator. <i>AIP Advances</i> , <b>2021</b> , 11, 025023	3.5	1
225	Generation of structured coherent extreme ultraviolet beams from an MgO crystal. <i>Optics Express</i> , <b>2021</b> , 29, 24161-24168	3.3	2
224	Plasmonic heptamer-arranged nanoholes in a gold film on the end-facet of a photonic crystal fiber. <i>Optics Letters</i> , <b>2021</b> , 46, 4482-4485	3	0
223	Electrochemical Performance of Lithographically-Defined Micro-Electrodes for Integration and Device Applications. <i>Chemosensors</i> , <b>2021</b> , 9, 277	4	2
222	Non-specific adsorption of protein to microfluidic materials. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 208, 112138	6	3

221	Design of an Efficient Fabry-Perot Biosensor Using High-Contrast Slanted Grating Couplers on a Dual-Core Single-Mode Optical Fiber Tip. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 19705-19713	4	1
220	Fabrication of Bloch Long Range Surface Plasmon Waveguides Integrating Counter Electrodes and Microfluidic Channels for Multimodal Biosensing. <i>Journal of Microelectromechanical Systems</i> , <b>2021</b> , 30, 686-695	2.5	4
219	Refractive Index Sensor Based on Long-Range Surface Plasmon Polariton Waveguide. <i>Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 71-75	0.2	
218	Fano resonances in nanohole oligomers in a gold film. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 033103	2.5	3
217	Straight Long-Range Surface Plasmon Polariton Waveguide Sensor Operating at $\lambda = 850$ nm. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
216	Wafer-bonded surface plasmon waveguide sensors with in-plane microfluidic interfaces. <i>Journal of Micromechanics and Microengineering</i> , <b>2020</b> , 30, 095004	2	2
215	Reactive Ion Etching of Cytop and Investigation of Residual Microstructures. <i>Journal of Microelectromechanical Systems</i> , <b>2020</b> , 29, 228-235	2.5	1
214	On the performance of optical phased array technology for beam steering: effect of pixel limitations. <i>Optics Express</i> , <b>2020</b> , 28, 31637-31657	3.3	7
213	Long-Range Plasmonic Waveguide Sensors <b>2020</b> , 29-55		1
212	Helium focused ion beam direct milling of plasmonic heptamer-arranged nanohole arrays. <i>Nanophotonics</i> , <b>2020</b> , 9, 393-399	6.3	15
211	Enhanced hydroxylation and carbon dioxide uptake on nanotextured silver oxide. <i>Applied Surface Science</i> , <b>2020</b> , 520, 146300	6.7	
210	Efficient Mode Transfer on a Compact Silicon Chip by Encircling Moving Exceptional Points. <i>Physical Review Letters</i> , <b>2020</b> , 124, 153903	7.4	21
209	Parity-Time Symmetry Synthetic Lasers: Physics and Devices. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900698	8.1	16
208	Polaritonic frequency-comb generation and breather propagation in a negative-index metamaterial with a cold four-level atomic medium. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	17
207	Laser-written colours on silver: optical effect of alumina coating. <i>Nanophotonics</i> , <b>2019</b> , 8, 807-822	6.3	6
206	Investigating the Optical Properties of a Laser Induced 3D Self-Assembled Carbon-Metal Hybrid Structure. <i>Small</i> , <b>2019</b> , 15, e1900512	11	4
205	Long-Range Surface Plasmon-Polariton Waveguide Biosensors for Human Cardiac Troponin I Detection. <i>Sensors</i> , <b>2019</b> , 19,	3.8	8
204	Plasmonic colours predicted by deep learning. <i>Scientific Reports</i> , <b>2019</b> , 9, 8074	4.9	37

203	Deep Learning and Inverse Design in Plasmonic <b>2019</b> ,		1
202	Grating couplers fabricated by e-beam lithography for long-range surface plasmon waveguides embedded in a fluoropolymer. <i>Applied Optics</i> , <b>2019</b> , 58, 2994-3002	1.7	8
201	Highlighting recent progress in long-range surface plasmon polaritons: guest editorial. <i>Advances in Optics and Photonics</i> , <b>2019</b> , 11, ED19	16.7	4
200	Grating couplers for (Bloch) long-range surface plasmons on metal stripe waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2019</b> , 36, 1921	1.7	10
199	Integrated multichannel Young's interferometer sensor based on long-range surface plasmon waveguides. <i>Optics Express</i> , <b>2019</b> , 27, 25470-25484	3.3	8
198	Effect of ps-laser repetition rate on colour rendition, nanoparticle morphology and surface chemistry on silver [Invited]. <i>Optical Materials Express</i> , <b>2019</b> , 9, 457	2.6	6
197	Optical and electrical performance of Schottky diodes on low loss SOI waveguides. <i>OSA Continuum</i> , <b>2019</b> , 2, 74	1.4	
196	Design and construction of a Raman microscope and characterization of plasmon-enhanced Raman scattering in graphene. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2019</b> , 36, F49	1.7	1
195	Nanofabrication of plasmonic structures on insulating substrates by resist-on-metal bilayer lift-off. <i>Nanotechnology</i> , <b>2019</b> , 30, 054003	3.4	2
194	Computational Electrodynamics - A Powerful Tool for Nanophotonics and Microscopy. <i>MRS Advances</i> , <b>2018</b> , 3, 753-760	0.7	0
193	Single-mode surface plasmon distributed feedback lasers. <i>Nanoscale</i> , <b>2018</b> , 10, 5914-5922	7.7	23
192	Passivation of Plasmonic Colors on Bulk Silver by Atomic Layer Deposition of Aluminum Oxide. <i>Langmuir</i> , <b>2018</b> , 34, 4998-5010	4	16
191	Low detection limits using sandwich and inhibition assays on long-range surface plasmon waveguide biosensors. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 273, 1156-1161	8.5	11
190	Investigating the Optical Properties of a Novel 3D Self-Assembled Metamaterial made of Carbon Intercalated with Bimetal Nanoparticles <b>2018</b> ,		1
189	Chapter 6 Simulations in Nanophotonics. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , <b>2018</b> , 117-131	0.2	1
188	Modelling of Coloured Metal Surfaces by Plasmonics Nanoparticles. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , <b>2018</b> , 361-363	0.2	
187	Multichannel Long-Range Surface Plasmon Waveguides for Parallel Biosensing. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 5536-5546	4	6
186	Time-asymmetric loop around an exceptional point over the full optical communications band. <i>Nature</i> , <b>2018</b> , 562, 86-90	50.4	72

185	Fabrication of long range surface plasmon waveguide biosensors in a low-index fluoropolymer. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2018</b> , 36, 042601	1.3	3
184	Topography Tuning for Plasmonic Color Enhancement via Picosecond Laser Bursts. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800189	8.1	21
183	Extremely broadband, on-chip optical nonreciprocity enabled by mimicking nonlinear anti-adiabatic quantum jumps near exceptional points. <i>Nature Communications</i> , <b>2017</b> , 8, 14154	17.4	53
182	Viability assessment of bacteria using long-range surface plasmon waveguide biosensors. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	4
181	Bloch Long-Range Surface Plasmon Polaritons on Metal Stripe Waveguides on a Multilayer Substrate. <i>ACS Photonics</i> , <b>2017</b> , 4, 593-599	6.3	22
180	Surface Plasmon Enhanced Schottky Detectors. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 191-209	0.4	1
179	Biomolecular kinetics analysis using long-range surface plasmon waveguides. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 243, 114-120	8.5	14
178	Laser-induced plasmonic colours on metals. <i>Nature Communications</i> , <b>2017</b> , 8, 16095	17.4	115
177	Electrical performance analysis of a CPW capable of transmitting microwave and optical signals. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2017</b> , 9, 1679-1686	0.8	
176	Active Plasmonics, Plasmonic Amplification and Lasing. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , <b>2017</b> , 1-37	0.1	
175	Detection of Small Molecules Using Long-Range Surface Plasmon Polariton Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 103-112	3.8	13
174	Vectorial control of nonlinear emission via chiral butterfly nanoantennas: generation of pure high order nonlinear vortex beams. <i>Optics Express</i> , <b>2017</b> , 25, 2569-2582	3.3	15
173	Fano resonances in plasmonic heptamer nano-hole arrays. <i>Optics Express</i> , <b>2017</b> , 25, 18566-18580	3.3	31
172	Origin of third harmonic generation in plasmonic nanoantennas. <i>Optical Materials Express</i> , <b>2017</b> , 7, 1575	2.6	12
171	Gain optimization, bleaching, and e-beam structuring of IR-140 doped PMMA and integration with plasmonic waveguides. <i>Optical Materials Express</i> , <b>2017</b> , 7, 3963	2.6	6
170	Nanoscale Schottky contact surface plasmon "point detectors" for optical beam scanning applications. <i>Applied Optics</i> , <b>2017</b> , 56, 3329-3334	0.2	8
169	Subwavelength Photonics. <i>Optics and Photonics News</i> , <b>2017</b> , 28, 34	1.9	3
168	Visible light driven plasmonic photochemistry on nano-textured silver. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 20, 238-246	3.6	7

167	Surface plasmon enhanced photodetectors based on internal photoemission. <i>Journal of Photonics for Energy</i> , <b>2016</b> , 6, 042511	1.2	10
166	Surface plasmon near-field back-action and displacement of enhanced Raman scattering spectrum in graphene. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 074008	1.7	2
165	Parity-time symmetry-broken Bragg grating operating with long-range surface plasmon polaritons. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	0
164	Ultrafast Surface Plasmon III-V Photodetectors Based on Nanomonopoles. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 4682-4687	4	2
163	Nonlinear optics of surface plasmon polaritons in subwavelength graphene ribbon resonators. <i>Optics Express</i> , <b>2016</b> , 24, 708-23	3.3	27
162	Bulk Sensing Using a Long-Range Surface-Plasmon Dual-Output Mach-Zehnder Interferometer. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 2631-2638	4	13
161	Unidirectional Bragg Gratings Using Parity-Time Symmetry Breaking in Plasmonic Systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2016</b> , 22, 48-59	3.8	7
160	Hydrogen sensing with Pd-coated long-range surface plasmon membrane waveguides. <i>Nanoscale</i> , <b>2016</b> , 8, 4284-90	7.7	18
159	Detection of dengue NS1 antigen using long-range surface plasmon waveguides. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 78, 132-139	11.8	44
158	Surface Plasmon-Polariton-Based Detectors <b>2016</b> , 3967-3976		
157	High-responsivity sub-bandgap hot-hole plasmonic Schottky detectors. <i>Optics Express</i> , <b>2016</b> , 24, 22544-22554	3.5	42
156	Observation of exceptional points in reconfigurable non-Hermitian vector-field holographic lattices. <i>Nature Communications</i> , <b>2016</b> , 7, 12201	17.4	35
155	Long-Range Surface Plasmon-Polariton Waveguide Biosensors for Disease Detection. <i>Journal of Lightwave Technology</i> , <b>2016</b> , 34, 4673-4681	4	14
154	Bulk sensing using a long-range surface-plasmon triple-output Mach-Zehnder interferometer. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2016</b> , 33, 1068	1.7	7
153	Theoretical biosensing performance of surface plasmon polariton Bragg gratings. <i>Applied Optics</i> , <b>2015</b> , 54, 1673	1.7	18
152	On the convergence and accuracy of the FDTD method for nanoplasmonics. <i>Optics Express</i> , <b>2015</b> , 23, 10481-97	3.3	62
151	Fabrication of long-range surface plasmon-polariton Bragg gratings with microfluidic channels in Cytop claddings. <i>Microelectronic Engineering</i> , <b>2015</b> , 135, 38-44	2.5	7
150	Plasmonic nanostructured metal-oxide-semiconductor reflection modulators. <i>Nano Letters</i> , <b>2015</b> , 15, 2304-11	11.5	39

149	Selective detection of bacteria in urine with a long-range surface plasmon waveguide biosensor. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 2908-22	3.5	24
148	Single-mode lasers and parity-time symmetry broken gratings based on active dielectric-loaded long-range surface plasmon polariton waveguides. <i>Optics Express</i> , <b>2015</b> , 23, 19922-31	3.3	9
147	Dual-polarization plasmonic metasurface for nonlinear optics. <i>Optics Letters</i> , <b>2015</b> , 40, 2874-7	3	16
146	Simultaneous high-capacity optical and microwave data transmission over metal waveguides. <i>Optics Express</i> , <b>2015</b> , 23, 14135-47	3.3	4
145	Modeling of long range surface plasmon polariton cladded membrane waveguides with integrated grating couplers as hydrogen sensors. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 163108	2.5	3
144	Fabrication of long-range surface plasmon hydrogen sensors on Cytop membranes integrating grating couplers. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2015</b> , 33, 021201	1.3	8
143	Selective detection of bacteria in urine with a LRSPP waveguide biosensor <b>2015</b> ,		2
142	Characterization of grating-coupled long range surface plasmon polariton membrane waveguides. <i>Optics Express</i> , <b>2015</b> , 23, 17421-30	3.3	10
141	Detection of leukemia markers using long-range surface plasmon waveguides functionalized with Protein G. <i>Lab on A Chip</i> , <b>2015</b> , 15, 4156-65	7.2	28
140	Focus Issue on surface plasmon photonics introduction. <i>Optics Express</i> , <b>2015</b> , 23, 32075-9	3.3	
139	Long-range surface plasmon Y-junctions for referenced biosensing. <i>Optics Express</i> , <b>2015</b> , 23, 31098-108	3.3	15
138	Frequency pulling and line-shape broadening in graphene Raman spectra by resonant Stokes surface plasmon polaritons. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	11
137	Plasmonic gain in long-range surface plasmon polariton waveguides bounded symmetrically by dye-doped polymer. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 121107	3.4	5
136	Plasmonic Fano interference produced by gold nano-disks on a dielectric Bragg stack. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 093107	2.5	2
135	Fabrication of metal strip waveguides for optical and microwave data transmission. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2015</b> , 33, 061208	1.3	3
134	. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 3234-3242	4	21
133	Modeling and Characterization of Antireflection Coatings with Embedded Silver Nanoparticles for Silicon Solar Cells. <i>Plasmonics</i> , <b>2015</b> , 10, 1525-1536	2.4	16
132	Selective capture of human red blood cells based on blood group using long-range surface plasmon waveguides. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 53, 117-22	11.8	38

131	One-dimensional surface phonon polaritons in boron nitride nanotubes. <i>Nature Communications</i> , <b>2014</b> , 5, 4782	17.4	119
130	Serological diagnosis of dengue infection in blood plasma using long-range surface plasmon waveguides. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1735-43	7.8	53
129	Surface plasmon photodetectors and their applications. <i>Laser and Photonics Reviews</i> , <b>2014</b> , 8, 197-220	8.3	145
128	Amplification and Lasing with Surface Plasmon Polaritons. <i>Handbook of Surface Science</i> , <b>2014</b> , 4, 309-328		1
127	Fabrication of a plasmonic modulator incorporating an overlaid grating coupler. <i>Nanotechnology</i> , <b>2014</b> , 25, 495202	3.4	5
126	Spatially nonreciprocal Bragg gratings based on surface plasmons. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 191110	3.4	7
125	Long-range surface plasmon triple-output Mach-Zehnder interferometers. <i>Optics Express</i> , <b>2014</b> , 22, 4006-20	3.3	13
124	Near infrared amplified spontaneous emission in a dye-doped polymeric waveguide for active plasmonic applications. <i>Optics Express</i> , <b>2014</b> , 22, 12452-60	3.3	14
123	Light-opals interaction modeling by direct numerical solution of Maxwell's equations. <i>Optics Express</i> , <b>2014</b> , 22, 27739-49	3.3	15
122	Plasmonic photodetector with terahertz electrical bandwidth. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 143112	3.4	29
121	Mid-infrared surface phonon polaritons in boron-nitride nanotubes. <i>Journal of Optics (United Kingdom)</i> , <b>2014</b> , 16, 114008	1.7	12
120	Surface plasmon enhanced optoelectronics <b>2014</b> ,		1
119	Enhanced Raman scattering in graphene by plasmonic resonant Stokes emission. <i>Nanophotonics</i> , <b>2014</b> , 3, 363-371	6.3	18
118	Long-range surface plasmons on gold-coated single-mode fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2014</b> , 31, 2354	1.7	9
117	Surface sensitivity of straight long-range surface plasmon waveguides for attenuation-based biosensing. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 117, 527-535	2.6	5
116	Surface plasmon photodetectors <b>2013</b> ,		2
115	Morphology and expression status investigations of specific surface markers on B-cell chronic lymphocytic leukemia cells. <i>Microscopy Research and Technique</i> , <b>2013</b> , 76, 1147-53	2.8	2
114	Biosensing using straight long-range surface plasmon waveguides. <i>Optics Express</i> , <b>2013</b> , 21, 698-709	3.3	95



113	Ordered gold nanoparticle arrays on glass and their characterization. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 410, 1-10	9.3	21
112	Atomically flat symmetric elliptical nanohole arrays in a gold film for ultrasensitive refractive index sensing. <i>Lab on A Chip</i> , <b>2013</b> , 13, 2541-6	7.2	37
111	Loss Compensation and Amplification of Surface Plasmon Polaritons <b>2013</b> , 153-170		0
110	Lipid reassembly in asymmetric Langmuir-Blodgett/Langmuir-Schaeffer bilayers. <i>Langmuir</i> , <b>2013</b> , 29, 221-7	4	18
109	Noise Cancellation in Long-Range Surface Plasmon Dual-Output Mach-Zehnder Interferometers. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 2606-2612	4	7
108	Thermo-optic characterization of long-range surface-plasmon devices in Cytop. <i>Applied Optics</i> , <b>2013</b> , 52, 162-70	1.7	8
107	Highly tunable nanoscale metal-insulator-metal split ring core ring resonators (SRCRRs). <i>Optics Express</i> , <b>2013</b> , 21, 79-86	3.3	40
106	Schottky-contact plasmonic dipole rectenna concept for biosensing. <i>Optics Express</i> , <b>2013</b> , 21, 4328-47	3.3	23
105	Focus issue on surface plasmon photonics introduction. <i>Optics Express</i> , <b>2013</b> , 21, 27286-90	3.3	0
104	Multichannel Transmission Through a Gold Strip Plasmonic Waveguide Embedded in Cytop. <i>IEEE Photonics Journal</i> , <b>2013</b> , 5, 2201811-2201811	1.8	10
103	Long range surface plasmon polariton waveguides for hydrogen sensing <b>2013</b> ,		2
102	Mach-Zehnder refractometric sensor using long-range surface plasmon waveguides. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 111108	3.4	29
101	Electrochemistry of Au-SAM-Protein Stacks. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, H22-H27	3.9	3
100	Selective biosensing using straight long-range surface plasmon waveguides <b>2013</b> ,		1
99	Subbandgap Asymmetric Surface Plasmon Waveguide Schottky Detectors on Silicon. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2013</b> , 19, 4600209-4600209	3.8	15
98	Modeling and design of hydrogen gas sensors based on a membrane-supported surface plasmon waveguide. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 161, 285-291	8.5	9
97	Long-range surface plasmon single-mode laser concepts. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 063115	2.5	9
96	Thin Au surface plasmon waveguide Schottky detectors on p-Si. <i>Nanotechnology</i> , <b>2012</b> , 23, 444011	3.4	44

95	Surface plasmon polariton amplifiers and lasers. <i>Nature Photonics</i> , <b>2012</b> , 6, 16-24	33.9	604
94	Periodic plasmonic nanoantennas in a piecewise homogeneous background. <i>Optics Express</i> , <b>2012</b> , 20, 18044-65	3.3	21
93	Passive long-range surface plasmon-polariton devices in Cytop. <i>Applied Optics</i> , <b>2012</b> , 51, 1459-67	1.7	20
92	Teardrop-shaped surface-plasmon resonators. <i>Optics Express</i> , <b>2012</b> , 20, 6472-7	3.3	6
91	Electromagnetic fields near plasmonic wedges. <i>Optics Letters</i> , <b>2012</b> , 37, 1667-9	3	4
90	Chip-Scale Electrochemical Differentiation of SAM-Coated Gold Features Using a Probe Array. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, J77-J82	3.9	7
89	Surface plasmon detectors on silicon <b>2012</b> ,		1
88	Fabrication of surface plasmon waveguides in CYTOP <b>2012</b> ,		4
87	AMPLIFICATION AND LASING WITH SURFACE-PLASMON POLARITONS. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , <b>2011</b> , 101-122	0.1	
86	. <i>Journal of Lightwave Technology</i> , <b>2011</b> , 29, 1852-1860	4	31
85	Theory of noise in high-gain surface plasmon-polariton amplifiers incorporating dipolar gain media. <i>Optics Express</i> , <b>2011</b> , 19, 20506-17	3.3	11
84	Spontaneous emission in long-range surface plasmon-polariton amplifiers. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	22
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